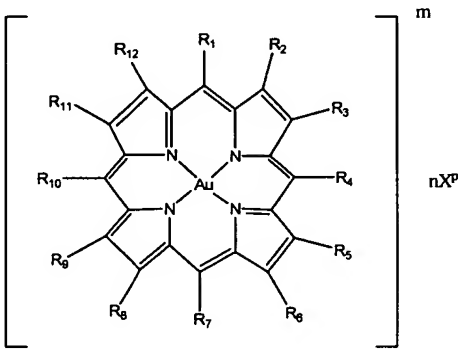
AMENDMENTS TO THE CLAIMS

1. (Previously Presented) A method for induction of apoptosis of cancer cells, comprising administering to a patient in need thereof a composition comprising an effective amount of a gold(III) complex of formula:



or a pharmaceutically acceptable salt thereof, wherein:

R_1, R_4, R_7 and R_{10} are each neutral or negatively charged, and are each independently -H, -halo, -(C_1-C_6)alkyl or -O(C_1-C_6)alkyl, -(6-membered)aryl or -(5 to 10-membered)heteroaryl, each of which may be substituted with one or more -halo, -(C_1-C_6)alkyl, -OSO_2 or -SO_3;

R_2, R_3, R_5, R_6, R_8, R_9, R_{11} and R_{12} are each independently -H, -(C_1-C_6)alkyl, each of which may be substituted with one or more -C(O)OR_{13}, -halo or =O groups;

R_{13} is -(C_1-C_6)alkyl;

each X^p is independently a pharmaceutically acceptable counter-ion;

m is an integer ranging from -3 to 5;

p is an integer ranging from -3 to 3;

n is equal to the absolute value of m/p; and

a pharmaceutically acceptable carrier.

2. (Original) The method of claim 1, wherein R_2, R_3, R_5, R_6, R_8, R_9, R_{11} and R_{12} are each -H.; X^p is Cl^-; m is 1; and n is 1.

3. (Original) The method of claim 2, wherein R_1, R_4, R_7 and R_{10} are each -phenyl.

4. (Original) The method of claim 2, wherein R_1, R_4, R_7 and R_{10} are each -4-methylphenyl.

5. (Cancelled).

6. (Original) The method of claim 2, wherein R_1, R_4, R_7 and R_{10} are each -4-bromophenyl.

7. (Original) The method of claim 2, wherein R_1, R_4, R_7 and R_{10} are each -4-chlorophenyl.

8. (Cancelled).

9. (Previously Presented) The method of claim 2, wherein R_1, R_4, R_7 and R_{10} are each -pentafluorophenyl.

10. (Original) The method of claim 1, wherein R_1, R_4, R_7 and R_{10} are each -H; R_2, R_3, R_5, R_6, R_8, R_9, R_{11} and R_{12} are each -ethyl; X^p is Cl^-; m is 1; and n is 1.

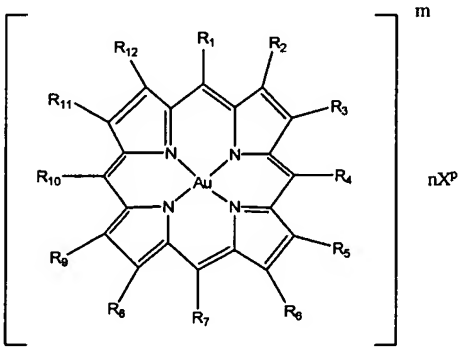
11. (Original) The method of claim 1, wherein R_1, R_4, R_7 and R_{10} are each -H; and R_2 and R_{11} are each -ethyl; R_3, R_5, R_9 and R_{12} are each -methyl; R_6 and R_8 are each -methyl-3-propanoate; X^p is Cl^-; m is 1; and n is 1.

12. (Cancelled).

13. (Previously Presented) The method of claim 1, wherein R_1, R_4, R_7 and R_{10} are each -4-sulfonatophenyl; R_2, R_3, R_5, R_6, R_8, R_9, R_{11} and R_{12} are each -H; X^p is Na^+; m is +3; and n is 3.

14-24. (Cancelled).

25. (Previously Presented) A method for inhibition of reverse transcriptase of Human Immunodeficiency virus-1, comprising administering to a patient in need thereof a composition comprising an effective amount of a gold(III) complex of formula:



or a pharmaceutically acceptable salt thereof, wherein:

R_1, R_4, R_7 and R_{10} are each neutral or negatively charged, and are each independently -H, -halo, -(C_1-C_6)alkyl or -O(C_1-C_6)alkyl, -(6-membered)aryl or -(5 to 10-membered)heteroaryl, each of which may be substituted with one or more -halo, -(C_1-C_6)alkyl, -OSO_2 or -SO_3;

R_2, R_3, R_5, R_6, R_8, R_9, R_{11} and R_{12} are each independently -H, -(C_1-C_6)alkyl, each of which may be substituted with one or more -C(O)OR_{13}, -halo or =O groups;

R_{13} is -(C_1-C_6)alkyl;

each X^p is independently a pharmaceutically acceptable counter-ion;

m is an integer ranging from -3 to 5;

p is an integer ranging from -3 to 3;

n is equal to the absolute value of m/p; and

a pharmaceutically acceptable carrier.

26. (Original) The method of claim 25, wherein R_2, R_3, R_5, R_6, R_8, R_9, R_{11} and R_{12} are each -H.; X^p is Cl^-; m is 1; and n is 1.

27. (Original) The method of claim 26, wherein R_1, R_4, R_7 and R_{10} are each -phenyl.

28. (Original) The method of claim 26, wherein R_1, R_4, R_7 and R_{10} are each -4-methylphenyl.

29. (Cancelled).

30. (Original) The method of claim 26, wherein R_1, R_4, R_7 and R_{10} are each -4-bromophenyl.

31. (Original) The method of claim 26, wherein R_1, R_4, R_7 and R_{10} are each -4-chlorophenyl.

32. (Cancelled).

33. (Previously Presented) The method of claim 26, wherein R_1, R_4, R_7 and R_{10} are each -pentafluorophenyl.

34. (Original) The method of claim 25, wherein R_1, R_4, R_7 and R_{10} are each -H; R_2, R_3, R_5, R_6, R_8, R_9, R_{11} and R_{12} are each -ethyl; X^p is Cl^-; m is 1; and n is 1.

35. (Original) The method of claim 25, wherein R_1, R_4, R_7 and R_{10} are each -H; and R_2 and R_{11} are each -ethyl; R_3, R_5, R_9 and R_{12} are each -methyl; R_6 and R_8 are each -methyl-3-propanoate; X^p is Cl^-; m is 1; and n is 1.

36. (Cancelled).

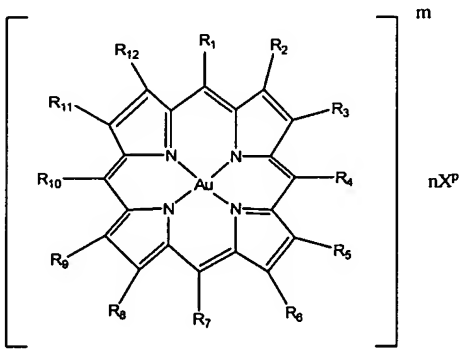
37. (Previously Presented) The method of claim 25, wherein R_1, R_4, R_7 and R_{10} are each -4-sulfonatophenyl; R_2, R_3, R_5, R_6, R_8, R_9, R_{11} and R_{12} are each -H; X^p is Na^+; m is =3; and n is 3.

38-54. (Cancelled).

55. (Previously Presented) The method of claim 25, wherein said composition further comprises 3'-azido-2',3'-dideoxythymidine.

56-57. (Cancelled).

58. (Previously Presented) A complex formed between a ligand and a gold(III) complex of formula:



or a pharmaceutically acceptable salt thereof, wherein:

R_1, R_4, R_7 and R_{10} are each neutral or negatively charged, and are each independently -H, -halo, -(C_1-C_6)alkyl or -O(C_1-C_6)alkyl, -(6-membered)aryl or -(5 to 10-membered)heteroaryl, each of which may be substituted with one or more -halo, -(C_1-C_6)alkyl, -OSO_2 or -SO_3;

R_2, R_3, R_5, R_6, R_8, R_9, R_{11} and R_{12} are each independently -H, -(C_1-C_6)alkyl, each of which may be substituted with one or more -C(O)OR_{13}, -halo or =O groups;

R_{13} is -(C_1-C_6)alkyl;

each Xp is independently a pharmaceutically acceptable counter-ion;

m is an integer ranging from -3 to 5;

p is an integer ranging from -3 to 3; and

n is equal to the absolute value of m/p.

59. (Original) The complex of claim 58, wherein the ligand is selected from the group consisting of porphyrins, metalloporphyrins, amino acids, peptides, polypeptides, proteins, nucleotides, polynucleotides, deoxyribonucleic acid, and ribonucleic acid.

60-63. (Cancelled).